

**DISPOSITIF DE TRANSMISSION MULTI-MODES ET VEHICULE UTILISANT UN TEL DISPOSITIF****Publication number:** FR2823281**Publication date:** 2002-10-11**Inventor:** PICHON YVES; ROUDEAU FREDERIC; KEFTI CHERIF AHMED; VON WISSEL DICK; ROYER LAURENT**Applicant:** RENAULT SAS (FR)**Classification:****- international:** **B60K6/04**; F16H37/08; F16H61/66; **B60K6/00**; F16H37/06; F16H61/66; (IPC1-7): F16H61/04; B60K6/02**- european:** B60K6/04D4; B60K6/04D10; B60K6/04D12; B60K6/04F; B60K6/04H6**Application number:** FR20010004812 20010409**Priority number(s):** FR20010004812 20010409**Also published as:**

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The invention concerns a multimode transmission device. The invention also concerns a vehicle using such a device. The inventive device essentially comprises parallel kinematic paths (3, 4, 7, 8) and a control device (C) for changeover of transmission modes which operates so that the duration of the mode changeover is reduced to a minimum while preserving the continuity of the torque to the wheel and a good speed synchronisation in the transmission system. The engine-transmission unit (1) delivers its mechanical power to the driven load formed by the drive wheel train (6) through a plurality of kinematic paths (3, 4, 7, 8) such that, during mode changeover, the various paths (3, 7) remain simultaneously engaged. The invention is applicable to motor vehicles.

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